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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/014,654 12/11/2001 Jeremy J. Wilson 01-129 4809 EXAMINER 7590 12/03/2004 Michael B. McNeil MILLER, CARL STUART Liell & McNeil Attorneys PC ART UNIT PAPER NUMBER P.O. Box 2417 Bloomington, IN 47402 3747

DATE MAILED: 12/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	M/M
•	10/014,654	WILSON ET AL.	000
Office Action Summary	Examiner	Art Unit	· · · · · · · · · · · · · · · · · · ·
	Carl S. Miller	3747	
The MAILING DATE of this communication	n appears on the cover sheet wit	th the correspondence ad	dress
Period for Reply			
A SHORTENED STATUTORY PERIOD FOR R THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 Clafter SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, - If NO period for reply is specified above, the maximum statutory properties of the period for reply within the set or extended period for reply will, by any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a re on. a reply within the statutory minimum of thirty eriod will apply and will expire SIX (6) MON' statute, cause the application to become AB.	eply be timely filed y (30) days will be considered timel THS from the mailing date of this co	y. ommunication.
Status			
1) Responsive to communication(s) filed on	04 August 2004.		
,—	This action is non-final.		
3) Since this application is in condition for all		ers, prosecution as to the	e merits is
closed in accordance with the practice un			
Disposition of Claims			
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application	ation		
4a) Of the above claim(s) is/are with			
5) Claim(s) <u>5-7,11-14 and 18-20</u> is/are allow			
6)⊠ Claim(s) <u>3-7,17-14 and 70-20</u> is/are allow			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction a	and/or election requirement.	2	
Application Papers			
9)☐ The specification is objected to by the Exa	minor		
10) The drawing(s) filed on is/are: a)		by the Evaminer	
Applicant may not request that any objection to		•	
Replacement drawing sheet(s) including the or			ER 1 121(d)
11) The oath or declaration is objected to by the	·	· ·	
,			
Priority under 35 U.S.C. § 119			
12) ☐ Acknowledgment is made of a claim for for a) ☐ All b) ☐ Some * c) ☐ None of:	reign priority under 35 U.S.C. §	119(a)-(d) or (f).	
 Certified copies of the priority docu 	ments have been received.		
2. Certified copies of the priority docu			
Copies of the certified copies of the	priority documents have been	received in this National	Stage
application from the International B			
* See the attached detailed Office action for	a list of the certified copies not	received.	
Attachment(s)	∧ □		
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-94) 		ummary (PTO-413) ://Mail Date	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date 8/4/04.	-/	formal Patent Application (PTC 	D-152)

Application/Control Number: 10/014,654

Art Unit: 3751

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4, 8-10 and 15-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nishiyama in view of Dietz.

Nishiyama teaches, at column 14, lines 30-40, a method of calculating the pressure drop from injection which samples data as noted in the above listed claims.

An algorithm is used to produce often injection event information via the CPU.

Dietz teaches a single pressure sample taken between injections and used to determine the timing of the next injection.

It would have been obvious to use the Dietz sampling technique to set the timing of Nishiyama for the next injection because the use of a single sample was the prior art modified this part of the Nishiyama device and therefore commonly known to one of ordinary skill in the art.

Claims 5, 6, 7, 11, 12, 13, 14 and 18-20 are allowed.

Applicant's arguments filed August 4, 2004 have been fully considered but they are not persuasive. In particular a new rejection supplying the noted material has now been applied and this action has been made non-final since some objected to claims have now been rejected.

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Any inquiry concerning this communication should be directed to Carl S. Miller at telephone number (571)272-4849.

Carl S. Millor

Primary District